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REPORT OF EXTENSION SERVICE WORK  
FOREST INSECT LABORATORY  
COEUR D'ALENE, IDAHO  
1939

by

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SUBJECT--

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REPORT OF EXTENSION SERVICE WORK  
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In addition to the research program and major cooperative service activities in connection with primary forest insects, that is conducted by the Forest Insect Laboratory at Coeur d'Alene, Idaho, there exists what can be properly called an Entomological Extension Service. This service consists of letters, telephone calls, and office visits by interested citizens requesting information on a wide variety of entomological and other subjects. The extremes of this service during the past season can be listed as a request to destroy a "yellow jacket's" nest under the front porch, and as to where yew wood suitable for bows and arrows could be obtained. Some requests concerning shade tree insects require a field examination by officers of the laboratory, while others are handled entirely by correspondence. Circulars and pamphlets are used in answering requests in all instances where they are available.

Proper consideration is given to all requests of this character, regardless of their economic importance. When a request is received for information concerning matters that are outside the jurisdiction of this Division, the proper references to publications and organizations are provided. When feasible, and the importance of the request justifies such action, a field examination of the situation is made, as the information imparted is often misleading. An example of such misleading

information was an instance of "black worms feeding upon foliage", that proved to be Coccinellidae larvae feeding upon aphid.

Of the 79 requests for such information that were received during the 1939 season, 37 came from forest offices, and pertained to such minor forest insects as spruce gall aphid, pine leaf scale, and so forth, and 42 were from private citizens who were mostly interested in shade tree problems, household insects, and the identification of insects. These requests came from 32 office calls, 33 letters, and 14 telephone calls. To extend the necessary service in connection with these requests approximately 20 field examinations were made and some 75 letters written.

The following tabulation shows the variety of the requests that were received during the year 1939:

Insect	Host	Number of Reports	Locality	Remarks
Aphis ( <u>Cinara curvipes</u> Patch.)	White Fir	1	Thompson Falls, Mont.	New growth badly injured.
Aphis ( <u>Adelges cooleyi</u> )	Spruce	1 3 1 1 1 3	Newport, Washington Spokane, " Dillon, Montana Salmon, Idaho Billings, Montana Coeur d'Alene, Idaho	A number of requests for information concerning this insect are received each year.
Aphis ( <u>Periphyllus</u> <u>lyorpictus</u> )	Maple	1	" " "	Severe infestation throughout city causing heavy leaf drop.
Black Widow Spider ( <u>Latrodectus mactans</u> )		1	" " "	Submitted from a doctor's office as insect respon- sible for injury.
Blister Beetle ( <u>Lytta</u> sp.)	Alfalfa- Privet; Hedge	3	" " "	This insect is difficult to control. Best success attained with arsenite dust.
Blister Mite (?)	Mountain Ash	1	Dillon, Montana	Not sure of this determin- tion, as material was in bad condition when received.
Blister Mite ( <u>Eriophyes</u> ( <u>Eyri</u> ?))	Mountain Ash Silver Maple	1 1	Coeur d'Alene, Idaho " " "	This insect rather plentiful last few years. Causing severe leaf drop.
Blister Mite ( <u>Phyllocoptes</u> sp.)	Horse Chestnut	1	Spokane, Washington	Causing severe leaf drop.
Bark Beetles Western Pine Beetle (D. <u>brevicornis</u> )	Ponderosa Pine	1	Coeur d'Alene, Idaho	Two trees County Court House



Red Turpentine Beetle ( <u>D. valens</u> )	White Pine	1	Priest River, Idaho	Decadent trees.
Oregon Pine Ingraver ( <u>Ips oregoni</u> )	Ponderosa Pine	2	Coeur d'Alene, Idaho	Spot outbreaks resulting from slash.
Western Balsam Bark Beetle ( <u>Dryocoetes confusus</u> )	Alpine Fir	1	Dillon, Montana	Serious. All over region.
Fir engraver ( <u>Scolytus ventralis</u> )	White Fir	1	Coeur d'Alene, Idaho	Ornamental trees infested from wood pile. Fire wood infested in forest.
Box Elder Bug ( <u>Leptocoris trivittatus</u> )	Houses	2	" " "	Each spring and fall when these insects go into hibernation we receive a number of requests for information.
Cottony Maple Scale ( <u>Fulvina vitis</u> )	Maple	4	" " "	Common throughout the city.
Larch Sawfly ( <u>Neodatus erichsonii</u> )	Larch	1	Thompson Falls, Mont.	This insect reported some five years ago.
Oyster Shell Scale ( <u>Lepidosaphes ulmi</u> )	Lilac	1	Coeur d'Alene, Idaho	Very common.
Pine Midge ( <u>Retinodiplosia sp.</u> )	Ponderosa Pine	2	Missoula, Montana Hamilton, "	Quite severe throughout region. Seldom kills terminals.
Pine Needle Scale ( <u>Chionaspis pinifoliae</u> )	Ponderosa Pine	2	" " Coeur d'Alene, Idaho	Very common.
Poplar Leaf Blotch Miner ( <u>Phyllonorycter tremuloides</u> )	Poplar	2	" " "	Always present.

Scales ( <u>Matsucoccus</u> sp.) ?	Ponderosa Pine	1	Cabinet National Forest, Montana	Not sure of this determination.
Pitmaking Oak Scale ( <u>Asterolecaniinae</u> sp.)	Oak	1	Spokane, Washington	Only report. Only a few ornamental oak trees in this region.
Spider Mites ( <u>Oligonychus americanus</u> ) ?	Concolor Fir	1	Coeur d'Alene, Idaho	
	Cedar Shrub	1	" " "	
	Spruce	2	Hailey, Idaho	
			Belton, Montana	
Spruce Needle Miner (?)	Spruce	2	Spokane, Washington	Common in Coeur d'Alene and Spokane.
Tip Moths ( <u>Rhyacionia</u> sp.)	Ponderosa Pine	1	Billings, Montana	Rather important in Custer National Forest.
Willow Borer ( <u>Cryptorhynchus lapathi</u> )	Willow	1	Coeur d'Alene, Idaho	Well distributed throughout northern Idaho.
Miscellaneous Requests				
<u>Lacewings</u> ( <u>Chemerobliidae</u> sp.)	Douglas Fir	1	Cody, Wyoming	Hibernating.
	Bark			
<u>Capnia distincta</u>	--	1	Thompson Falls, Mont.	New species. Described from Yellowstone in 1937.
?	Tips of Douglas Fir	1	Coeur d'Alene, Idaho	Tips dead, no insect work, no disease - ?
Wood Borers	Fire Wood	1	Coeur d'Alene, Idaho	Emerged from wood in basement - a usual request in spring of year.
Spray Injury	Spruce	1	Colfax, Washington	Foliage burned by spray.

( <u>Scythropus</u> sp.) ?	: Ponderosa Pine :	1	: Spokane, Washington :	Injurious to needles.
Garden Aphis ?	: Flowers :	4	: Coeur d'Alene, Idaho :	---
Garden Slugs	: Flowers :	1	: " " " :	---
Sphinx Moths	: ? :	1	: White Sulphur Springs, Montana :	Reported as boring into aspen trees. Injury no doubt caused by goat moth or aspen borer.
Yellow Jackets	: Front Porch :	1	: Coeur d'Alene, Idaho :	Requested extermination of the nest.
<u>Bombylius major</u> (?)	: Identification :	1	: " " " :	Information as to habits.
<u>Telea polyphemus</u>	: " :	1	: " " " :	" " " "
<u>Lygaeidae</u>	: " :	1	: Libby, Montana :	" " " "
Jerusalem Cricket	: " :	1	: Spokane, Washington :	" " " "
Silver fish	: Starched Bolts of Cloth :	1	: W.P.A. Sewing Room, Coeur d'Alene, Idaho :	
Earwigs	: Houses :	2	: " " " :	
Ladybird Beetle Larvae	: Rose Bushes :	1	: " " " :	Owner did not see the aphids.
Ants	: House :	3	: " " " :	
Yew Trees for Bows and Arrows	: -- :	1	: Spokane, Washington :	
<u>Retinodiplosis</u> sp. (?)	: Ponderosa Pine Terminals :	1	: " " :	Common throughout northern Idaho and western Montana.

## Pathological Requests

**Coryneum cinereum**

*Cronortium larnesi* (?)

Hypodermella laticis

(1) introduction

Lodgpole Pine

**Pendora Pine**

## Larch

Книгопродавец

Holtom, Norton

## Hamilton, Montana

Thompson Falls, Mont.

Swan Valley, Idaho